

1 CLAIMS

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3 1. A script file, comprising:

4 a text section that includes a text label to designate a point during execution  
5 of a script sequence when an audio rendition of a video event is to be initiated;

6 a container configured to maintain audio content within the script file, the  
7 audio content identified in the container with a content label corresponding to the  
8 text label; and

9 the audio content being auto-referable and generated as the audio rendition  
10 at the designated point during execution of the script sequence.  
11

12 2. A script file as recited in claim 1, wherein the audio content is  
13 initiated to be generated as the audio rendition without a reference in the text  
14 section to identify a location of the audio content.  
15

16 3. A script file as recited in claim 1, wherein the audio content is  
17 initiated to be generated as the audio rendition without an instruction in the text  
18 section to render the audio content.  
19

20 4. A script file as recited in claim 1, wherein the audio content is  
21 generated as the audio rendition when a script processor executes the script file  
22 and determines that the content label corresponds to the text label.  
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24  
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1           5.     A script file as recited in claim 1, wherein:

2           the text section includes a second text label to designate a second point  
3 during execution of the script sequence when a second audio rendition is to be  
4 initiated;

5           the container is further configured to maintain a reference to additional  
6 audio content, the reference identified in the container with a reference label  
7 corresponding to the second text label; and

8           the additional audio content being auto-referable and generated as the  
9 second audio rendition at the designated second point during execution of the  
10 script sequence when the script file is executed.

11  
12           6.     A script file as recited in claim 5, wherein the additional audio  
13 content is generated as the second audio rendition when a script processor  
14 executes the script file and determines that the reference label corresponds to the  
15 second text label.

16  
17           7.     A script file as recited in claim 1, wherein:

18           the text section includes a second text label to designate a second point  
19 during execution of the script sequence when a second script is to be executed;

20           the container is further configured to maintain a reference to the second  
21 script, the reference identified in the container with a reference label  
22 corresponding to the second text label; and

23           the second script is executed when a script processor executes the script file  
24 and determines that the reference label corresponds to the second script.

1           **8.**     A script file as recited in claim 1, wherein:

2           the text section includes at least a second text label to designate a second  
3 point during execution of the script sequence when a second audio rendition is to  
4 be initiated;

5           the container is further configured to maintain additional audio content  
6 within the script file, the additional audio content identified in the container with a  
7 second content label corresponding to the at least second text label;

8           the audio content is generated as the audio rendition when a script  
9 processor executes the script file and determines that the content label corresponds  
10 to the text label; and

11          the additional audio content is generated as the second audio rendition  
12 when the script processor executes the script file and determines that the second  
13 content label corresponds to the at least second text label.

14  
15          **9.**     A script file as recited in claim 1, wherein the text section includes an  
16 instruction set configured to instantiate one or more audio processing components  
17 that are configured to generate an audio rendition corresponding to a video event.

18  
19          **10.**    A script file as recited in claim 1, wherein the text section includes  
20 an instruction set configured to instantiate one or more audio processing  
21 components, an individual audio processing component having interface methods  
22 that are callable by the script file.

1           **11.**    A script file as recited in claim 1, wherein the text section includes  
2 an instruction set configured to instantiate one or more audio processing  
3 components, an individual audio processing component having interface methods  
4 that are callable by the script file via an iDispatch interface between the script file  
5 and the individual audio processing component.

6  
7           **12.**    A script file as recited in claim 1, wherein the text section includes  
8 an instruction set configured to:

9           instantiate a performance manager that includes at least one audio segment  
10 having one or more audio content components, each audio content component  
11 configured to generate audio instructions from the audio content; and

12           instantiate an audio rendition manager that includes one or more audio  
13 rendering components configured to process the audio instructions to render an  
14 audio rendition corresponding to the audio content.

15  
16           **13.**    A script file as recited in claim 12, wherein the performance  
17 manager is instantiated when an application program initiates execution of the  
18 script file, the performance manager instantiated as a component object having an  
19 interface that is callable by the application program.

20  
21           **14.**    A script file as recited in claim 12, wherein the performance  
22 manager is instantiated as a component object having interface methods that are  
23 callable by the script file via a translation interface between the script file and the  
24 performance manager.

1           **15.**    A script file as recited in claim 14, wherein the translation interface  
2 is an iDispatch application.

3  
4           **16.**    A script file as recited in claim 12, wherein the audio rendition  
5 manager is instantiated when an application program initiates execution of the  
6 script file, the audio rendition manager instantiated as a component object having  
7 an interface that is callable by the application program.

8  
9           **17.**    A script file as recited in claim 12, wherein the audio rendition  
10 manager is instantiated as a component object having interface methods that are  
11 callable by the script file via a translation interface between the script file and the  
12 audio rendition manager.

13  
14           **18.**    A script file as recited in claim 17, wherein the translation interface  
15 is an iDispatch application.

16  
17           **19.**    A script file as recited in claim 12, wherein the text section includes  
18 a second instruction set configured to monitor one or more parameters of the audio  
19 segment to determine when to input the audio content to the audio segment to  
20 render the audio content.

1           **20.**   A script file as recited in claim 12, wherein the performance  
2 manager is instantiated when an application program initiates execution of the  
3 script file, and wherein the text section includes a second instruction set  
4 configured to monitor one or more parameters of the application program to  
5 determine when to input the audio content to the audio segment to render the audio  
6 content.

7  
8           **21.**   A script file as recited in claim 12, wherein the text section includes  
9 a second instruction set configured to instantiate a script track as a component of  
10 the audio segment, the script track configured to monitor one or more parameters  
11 of the audio segment to determine when to input the audio content to the audio  
12 segment to render the audio content.

13  
14           **22.**   A script file as recited in claim 12, wherein the performance  
15 manager is instantiated when an application program initiates execution of the  
16 script file, and wherein the text section includes a second instruction set  
17 configured to instantiate a script track as a component of the audio segment, the  
18 script track configured to monitor one or more parameters of the application  
19 program to determine when to input the audio content to the audio segment to  
20 render the audio content.

1           **23.**     A script file, comprising:

2           a text section that includes a text label to designate a point during execution  
3 of a script sequence when an audio rendition of a video event is to be initiated;

4           a container configured to maintain a reference to audio content, the  
5 reference identified in the container with a reference label corresponding to the  
6 text label; and

7           the audio content being auto-referable and generated as the audio rendition  
8 at the designated point during execution of the script sequence.

9  
10          **24.**     A script file as recited in claim 23, wherein the audio content is  
11 initiated to be generated as the audio rendition without a reference in the text  
12 section to identify a location of the audio content.

13  
14          **25.**     A script file as recited in claim 23, wherein the audio content is  
15 initiated to be generated as the audio rendition without an instruction in the text  
16 section to render the audio content.

17  
18          **26.**     A script file as recited in claim 23, wherein the audio content is  
19 generated as the audio rendition when a script processor executes the script file  
20 and determines that the reference label corresponds to the text label.

1           **27.**    A script track implemented as a component of an audio segment  
2 which is instantiated to represent audio content, the script track configured to  
3 monitor one or more parameters of the audio segment to determine when to  
4 initiate execution of one or more script files.

5  
6           **28.**    A script track implemented as a component of an audio segment  
7 which is instantiated to represent audio content, the script track configured to  
8 monitor one or more parameters of the audio segment to determine when to  
9 initiate execution of one or more script files, a script file comprising:

10           a text section that includes a text label to designate when the audio content  
11 is to be rendered;

12           a container configured to maintain the audio content, the audio content  
13 identified with a content label corresponding to the text label; and

14           the audio content being auto-referable and input to the audio segment when  
15 the script file is executed.



1           **29.**   A script track implemented as a component of an audio segment  
2 which is instantiated to represent audio content, the script track comprising one or  
3 more script files, a script file including:

4           a text section that includes a text label to designate when the audio content  
5 is to be rendered;

6           a container configured to maintain the audio content, the audio content  
7 identified with a content label corresponding to the text label; and

8           the audio content being auto-referable and input to the audio segment when  
9 the script file is executed.  
10

11           **30.**   A script track as recited in claim 29, wherein the audio content is  
12 input to the audio segment without a reference in the text section to identify a  
13 location of the audio content.  
14

15           **31.**   A script track as recited in claim 29, wherein the audio content is  
16 input to the audio segment when a script processor determines that the content  
17 label corresponds to the text label.  
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1           **32.**     A script track as recited in claim 29, wherein:

2           the text section includes a reference text label to designate when additional  
3 audio content is to be rendered;

4           the container is further configured to maintain a reference to the additional  
5 audio content, the reference identified with a reference label corresponding to the  
6 second text label; and

7           the additional audio content being auto-referable and input to the audio  
8 segment when the script file is executed.

9  
10           **33.**     A script track as recited in claim 32, wherein the additional audio  
11 content is input to the audio segment when a script processor determines that the  
12 reference label corresponds to the reference text label.

13  
14           **34.**     A script file, comprising:

15           a first instruction set configured to instantiate a performance manager that  
16 includes at least one audio segment having one or more audio content components,  
17 each audio content component configured to generate audio instructions from  
18 received audio content; and

19           a second instruction set configured to instantiate an audio rendition  
20 manager that includes one or more audio rendering components configured to  
21 process the audio instructions to generate an audio rendition corresponding to the  
22 audio content.

1  
2       **35.**   A script file as recited in claim 34, wherein the performance  
3 manager and the audio rendition manager are instantiated when an application  
4 program initiates execution of the script file, the performance manager instantiated  
5 as a component object having an interface that is callable by the application  
6 program, and the audio rendition manager instantiated as a component object  
7 having an interface that is callable by the application program.

8  
9       **36.**   A script file as recited in claim 34, wherein the performance  
10 manager is instantiated as a component object having interface methods that are  
11 callable by the script file via a translation interface between the script file and the  
12 performance manager, and wherein the audio rendition manager is instantiated as a  
13 component object having interface methods that are callable by the script file via  
14 the translation interface between the script file and the audio rendition manager.

15  
16       **37.**   A script file as recited in claim 34, further comprising at least a third  
17 instruction set configured to determine when to input the audio content to the  
18 audio segment to generate the audio rendition.

19  
20       **38.**   A script file as recited in claim 34, further comprising at least a third  
21 instruction set configured to instantiate a script track as a component of the audio  
22 segment, the script track configured to monitor one or more parameters of the  
23 audio segment to determine when to input the audio content to the audio segment  
24 to generate the audio rendition.  
25

1           **39.**   A script file as recited in claim 34, wherein the performance  
2 manager and the audio rendition manager are instantiated when an application  
3 program initiates execution of the script file, and wherein the text section includes  
4 at least a third instruction set configured to instantiate a script track as a  
5 component of the audio segment, the script track configured to monitor one or  
6 more parameters of the application program to determine when to input the audio  
7 content to the audio segment to generate the audio rendition.

8  
9           **40.**   A script file as recited in claim 34, further comprising:  
10         a text section that includes the first instruction set and the second  
11 instruction set, and further includes a text label to designate when to input the  
12 audio content to the audio segment;  
13         a container configured to maintain the audio content within the script file,  
14 the audio content identified with a content label corresponding to the text label;  
15 and  
16         the audio content being auto-referable and input to the audio segment when  
17 the script file is executed.

18  
19           **41.**   A script file as recited in claim 40, wherein the audio content is  
20 input to the audio segment when a script processor executes the script file and  
21 determines that the content label corresponds to the text label.

1           **42.**    A script file as recited in claim 34, further comprising:

2           a text section that includes the first instruction set and the second  
3 instruction set, and further includes a text label to designate when to input the  
4 audio content to the audio segment;

5           a container configured to maintain a reference to the audio content, the  
6 reference identified with a reference label corresponding to the second text label;  
7 and

8           the audio content being auto-referable and input to the audio segment when  
9 the script file is executed.  
10

11           **43.**    A script file as recited in claim 42, wherein the audio content is  
12 input to the audio segment when a script processor executes the script file and  
13 determines that the reference label corresponds to the second text label.  
14

15           **44.**    A method for managing audio generation with a script file,  
16 comprising:

17           instantiating a performance manager that includes at least one audio  
18 segment having one or more audio content components, each audio content  
19 component generating audio instructions from received audio content; and

20           instantiating an audio rendition manager that includes one or more audio  
21 rendering components for processing the audio instructions to generate an audio  
22 rendition corresponding to the audio content.  
23  
24  
25

1           **45.**    A method for managing audio generation as recited in claim 44,  
2 wherein instantiating the performance manager is in response to an application  
3 program initiating execution of the script file.

4  
5           **46.**    A method for managing audio generation as recited in claim 45,  
6 wherein the performance manager is instantiated as a component object having an  
7 interface that is callable by the application program.

8  
9           **47.**    A method for managing audio generation as recited in claim 44,  
10 wherein the performance manager is instantiated as a component object having  
11 interface methods that are callable by the script file via a translation interface  
12 between the script file and the performance manager.

13  
14           **48.**    A method for managing audio generation as recited in claim 47,  
15 wherein the translation interface is an iDispatch application.

16  
17           **49.**    A method for managing audio generation as recited in claim 44,  
18 wherein instantiating the audio rendition manager is in response to an application  
19 program initiating execution of the script file.

20  
21           **50.**    A method for managing audio generation as recited in claim 49,  
22 wherein the audio rendition manager is instantiated as a component object having  
23 an interface that is callable by the application program.

1           **51.**    A method for managing audio generation as recited in claim 44,  
2 wherein the audio rendition manager is instantiated as a component object having  
3 interface methods that are callable by the script file via a translation interface  
4 between the script file and the audio rendition manager.

5  
6           **52.**    A method for managing audio generation as recited in claim 51,  
7 wherein the translation interface is an iDispatch application.

8  
9           **53.**    A method for managing audio generation as recited in claim 44,  
10 wherein instantiating the performance manager is in response to an application  
11 program initiating execution of the script file, and the method further comprising  
12 monitoring one or more parameters of the application program to determine when  
13 to input the audio content to the audio segment.

14  
15           **54.**    A method for managing audio generation as recited in claim 44,  
16 further comprising monitoring one or more parameters of the audio segment to  
17 determine when to input the audio content to the audio segment.

18  
19           **55.**    A method for managing audio generation as recited in claim 44,  
20 further comprising instantiating a script track as a component of the audio  
21 segment, the script track monitoring one or more parameters of the audio segment  
22 to determine when to input the audio content to the audio segment.

1           **56.**    A method for managing audio generation as recited in claim 44,  
2 wherein instantiating the performance manager is in response to an application  
3 program initiating execution of the script file, and the method further comprising  
4 instantiating a script track as a component of the audio segment, the script track  
5 monitoring one or more parameters of the application program to determine when  
6 to input the audio content to the audio segment.

7  
8           **57.**    One or more computer-readable media comprising computer-  
9 executable instructions that, when executed, direct a computing system to perform  
10 the method of claim 44.

11  
12           **58.**    One or more computer-readable media comprising computer-  
13 executable instructions that, when executed, direct a computing system to perform  
14 the method of claim 47.

15  
16           **59.**    One or more computer-readable media comprising computer-  
17 executable instructions that, when executed, direct a computing system to perform  
18 the method of claim 51.

19  
20           **60.**    One or more computer-readable media comprising computer-  
21 executable instructions that, when executed, direct a computing system to perform  
22 the method of claim 55.



1           **61.** One or more computer-readable media comprising computer  
2 executable instructions that, when executed, direct a computing system to perform  
3 a method comprising:

4           executing a multimedia application;  
5           rendering a video event of the multimedia application;  
6           receiving a request from the multimedia application to create an audio  
7 generation system to generate an audio rendition corresponding to the video event;  
8           in response to receiving the request, executing a script file to create the  
9 audio generation system, the script file comprising computer executable  
10 instructions that further direct the computing system to perform:

11                 instantiating a performance manager that includes at least one audio  
12 segment having one or more audio content components, each audio content  
13 component generating audio instructions from received audio content; and

14                 instantiating an audio rendition manager that includes one or more  
15 audio rendering components for processing the audio instructions to  
16 generate the audio rendition.

17  
18           **62.** One or more computer-readable media as recited in claim 61,  
19 wherein the performance manager is instantiated as a component object having an  
20 interface that is callable by the interactive video program.

21  
22           **63.** One or more computer-readable media as recited in claim 61,  
23 wherein the performance manager is instantiated as a component object having  
24 interface methods that are callable by the script file via a translation interface  
25 between the script file and the performance manager.

1  
2       **64.** One or more computer-readable media as recited in claim 61,  
3 wherein the audio rendition manager is instantiated as a component object having  
4 an interface that is callable by the interactive video program.  
5

6       **65.** One or more computer-readable media as recited in claim 61,  
7 wherein the audio rendition manager is instantiated as a component object having  
8 interface methods that are callable by the script file via a translation interface  
9 between the script file and the audio rendition manager.  
10

11       **66.** One or more computer-readable media as recited in claim 61,  
12 wherein the script file further comprises computer executable instructions that  
13 further direct the computing system to perform instantiating a script track as a  
14 component of the audio segment, the script track monitoring one or more  
15 parameters of the audio segment to determine when to input the received audio  
16 content to the audio segment.  
17

18       **67.** One or more computer-readable media as recited in claim 61,  
19 wherein the script file further comprises computer executable instructions that  
20 further direct the computing system to perform instantiating a script track as a  
21 component of the audio segment, the script track monitoring one or more  
22 parameters of the interactive video program to determine when to input the  
23 received audio content to the audio segment.  
24  
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